

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 July 2004 (08.07.2004)

PCT

(10) International Publication Number
WO 2004/056968 A2

- (51) International Patent Classification⁷: **C12N**
- (21) International Application Number:
PCT/US2003/040988
- (22) International Filing Date:
18 December 2003 (18.12.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/434,601 18 December 2002 (18.12.2002) US
- (71) Applicant (for all designated States except US): **AGRI-NOMICS LLC** [US/US]; 16160 S.W. Upper Boones Ferry Road, Portland, OR 97224-7744 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **LIGHTNER, Jonathan** [US/US]; 28750 S. Heisinger Lane, Mulino, OR 97042 (US). **COATE, Jeremy, E.** [US/US]; 3202 S.E. 10th Avenue, Portland, OR 97202 (US). **CLENDEN-NEN, Stephanie, K.** [US/US]; P.O. Box 6332, Kingsport, TN 37663 (US). **FEDERSPIEL, Nancy, Anne** [US/US]; 1345 Altschul Avenue, Menlo Park, CA 94025 (US).
- (74) Agents: **BRUNELLE, Jan, P. et al.**; Exelixis, Inc., 170 Harbor Way, P.O. Box 511, South San Francisco, CA 94083-0511 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: GENERATION OF PLANTS WITH ALTERED OIL CONTENT

(57) Abstract: The present invention is directed to plants that display an altered oil content phenotype due to altered expression of a citrate synthase nucleic acid. The invention is further directed to methods of generating plants with an altered oil content phenotype.

WO 2004/056968 A2